

## SERVICE BULLETIN AMATEUR RADIO

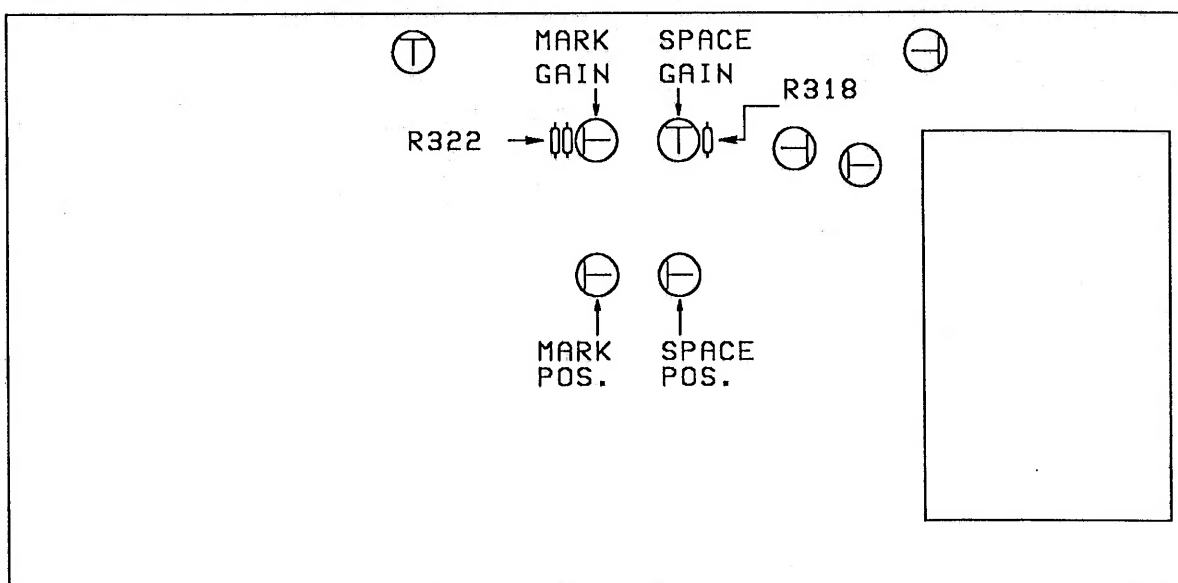
SUBJECT	DATE
SM-230 RTTY CROSS PATTERN ATTENUATION	08/08/90

Some users of the SM-230 have reported that the MARK and SPACE gain adjustments do not sufficiently reduce the signals to display them on the CRT. The following modification will correct this condition.

### REQUIRED PARTS:

680 OHM 1/8W RESISTOR RD14CB2B681J QTY. 2

1. Disconnect the power cord and control cables.
2. Remove the top cover (6 screws).
3. Locate the Horizontal unit. This board is vertically mounted on the right side of the SM-230.
4. Locate resistors R318 and R322 on the Horizontal unit.
5. Replace R318 and R322 with 680 ohm resistors.
6. Assemble the SM-230.
7. Adjust the MARK and SPACE gain adjustments as necessary to obtain the correct cross pattern.



Time required to perform this modification is 1 hr. or less.  
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